

## SECTION VI.—BIBLIOGRAPHY.

## RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

**Barnes, Howard Turner.**

Production of ring ice or hoar frost in pipes. Ottawa. 1916. 2 plates. tables. 25 cm. (Reprinted from the Transactions of the Royal Society of Canada, serv. 3, 1916, v. 10, p. [93]-96.)

**Buchanan, John Young.**

Comptes rendus of observation and reasoning. Cambridge. 1917. xl, 452 p. front. (port.) plates. tables. 22½ cm. [Includes papers of meteorological interest.]

**Canada. Meteorological service.**

Report . . . for the year ended December 31, 1914 . . . Ottawa. 1917. xvii, 634 p. tables. 29½ cm. At head of title: Department of marine and fisheries.

**Chamber of Commerce of the United States of America.**

Relations of climate and business. Washington, D. C. 1915. 8 p. charts. 27½ cm. Special bulletin.

**Clayton, Henry Helm.**

Effect of short period variations of solar radiation on the earth's atmosphere. Washington. 1917. 18 p. 8 charts. figures. tables. 24½ cm. At head of title: Smithsonian miscellaneous collections, v. 68, no. 3. (Publication 2446.)

**Cossu, Angelo.**

L'isola di Sardegna; saggio monografico di geografia fisica e di antropogeografia . . . 2d ed. Milano, Roma, Napoli. 1916. [2 l], [7]-222p. illus. tables. 21 cm. [Climate, p. 55-67.]

**Davis, George Henry.**

Climatic and living conditions at various centers. New Orleans. 1916. cover-title. [4] p. fold. chart. 23 cm.

**Denmark. Meteorologiske institut.**

Magnetisk aarbog. Annuaire magnétique, 1915. Kjøbenhavn. 1917. 11 p. (incl. title-page) charts. tables. 32 x 24 cm. (Publikationer for det Danske meteorologiske institut ved C. Ryder, direktør. Aarbøger.) In French.

**Eredia, Filippo.**

Le brine in Italia. Torino. 1917. 7 p. (incl. title-page) table. 18 cm. (Estratto dal Bollettino bimestrale della Società meteor. ital. Anno 1916, n. 3-5.)

Sul clima di Bagdad. Roma. 1917. 11 p. (incl. title-page) tables. chart. 23½ cm.

**Galle, P. H.**

Cyclonen in de Arabische Zee. Utrecht. 1916. 20 p. fold. charts. tables. 24½ cm. (Koninklijk Nederlandsch meteorologisch institut. no. 102. Mededeelingen en verhandelingen, 21.)

**Havana. Colegio de Belén. Observatorio meteorológico, magnético y seísmico.**

Año de 1916. Habana. 1917. 15, [77] p. tables. 36½ cm.

**Higgins, Harold Leonard, & Marriott, William McKim.**

Colorimetric method for the determination of the CO<sub>2</sub> percentage in air. (Reprinted from the Journal of the American chemical society, v. 39, no. 1. Jan. 1917. p. [68]-71.) (Contribution from the Department of pediatrics, the Johns Hopkins Hospital.) 23 cm.

**Hobbs, William Herbert.**

Rôle of the glacial anticyclone in the air circulation of the globe. figures. maps. diagrams. 24½ cm. (Reprinted from Proceedings of the American philosophical society, v. 54, no. 218, Aug. 1915, p. 185-225.)

**Hoffman, Frederick Ludwig.**

A plea and a plan for the eradication of malaria throughout the western hemisphere. [Newark, N. J. 1917.] 65 p. (incl. title-page). charts. tables. 23 cm. (An address read in abstract before the Southern medical association. Tenth annual meeting. Atlanta, November 14, 1916.) [Meteorological relations, p. 14-16; 42; 58.]

**Hongkong. Observatory.**

Report of the director of the Royal observatory, Hongkong, for the year 1916. Hongkong. 1917. cover-title. 14p. tables. 24½ cm.

**India. Meteorological department.**

Rainfall of India. 1915. Calcutta. 1916. 217 p. tables. 34cm.

**Johns Hopkins university, Baltimore.**

Contributions to plant physiology. illus. 23½ cm. (Reprinted from the Johns Hopkins university Circular, March, 1917, p. 133-228.) [Contains: Atmometric units, by B. E. Livingston; Vapor tension deficit as an index of the moisture condition of the air, by B. E. Livingston; Method for approximating sun-shine intensity from ocular observations of cloudiness, by F. N. Hildebrandt.]

**Loud, Frank Herbert.**

The Colorado sky. (Clippings from the Colorado Springs Gazette, Jan. 21-Feb. 25, 1917. Weekly.)

**McAdie, Alexander.**

Principles of aérography. Chicago. [1917.] xii, 318 p. illus. plate. figures. tables. 21½ cm.

**Mialaret, Thomas.**

Note sur la météorologie de la Nouvelle-Calédonie en 1916. 10 p. tables. 32½ cm. (Supplement au Journal officiel du 24 Février 1917.)

**Netherlands. Meteorologisch instituut.**

Ergebnisse aerologischer Beobachtungen. 4. 1915. Utrecht. 1916. xi, 108 p. tables. 24½ cm. (n°. 106.)

**O'Connell, Matthew D.**

The meteorology of malaria. (Reprinted from the Journal of tropical medicine and hygiene, Nov. 15, 1912; June 2, 1913; Sept. 1, 1913; Dec. 1, 1913; Apr. 1, 1914; Dec. 15, 1916.)

**Reed, William Gardner.**

Protection from damage by frost. New York. [1916.] illus. 25½ cm. (Reprinted from the Geographical review, v. 1, 1916, no. 2.)

**Ryd, V. H.**

On computation of meteorological observations. Kjøbenhavn. 1917. [4 l], 104p. figures. tables. 25cm. At head of title: Publikationer fra det Danske meteorologiske institut, ved C. Ryder, direktør. Meddelelser, nr. 3.

**Shaw, A. Norman.**

Improved methods in hygrometry. Ottawa. 1916. plate. tables. 25cm. (Reprinted from the Transactions of the Royal society of Canada, ser. 3, 1916, v. 10, p. [85]-92.)

**U. S. Mississippi river commission.**

Stages of the Mississippi river and of its principal tributaries for 1916 . . . St. Louis, 1917. lxvi, 79 p. tables. 23cm.

**Uruguay. Instituto meteorológico nacional.**

Datos del Observatorio central, Montevideo.—Rio de la Plata—Puerto de Montevideo. Año 1916. cover-title. [2], 56 p. 32cm.

**Wallis, Bertie Cotterell.**

The monsoon. 4 galley sheets. "Specially written for Indian education."

**Woodhouse, Henry.**

Textbook of naval aeronautics . . . New York. 1917. [8], 288 p. front. illus. tables. diagrams. 31cm.

## RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

*American philosophical society. Proceedings. Philadelphia. v. 56. no. 3. 1917.*

Blair, William R. Aérology. p. 189-211.

Wilson, Edwin Bidwell. Theory of an aeroplane encountering gusts. II. p. 212-245.